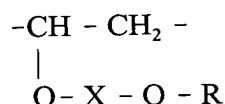


Amendments to the Claims:

Claims 1-35 (cancelled)

36. (Currently Amended) A polymer comprising one or more vinyl ether units having the formula:



wherein R is a radical selected from the group consisting of $\text{R}_1\text{--C}_n\text{H}_m\text{--}$, $\text{R}_1\text{--C}_n\text{H}_m\text{--C(=O)--}$, $\text{R}_1\text{--C}_n\text{H}_m\text{--CH[--O--X--O--CH=CH}_2\text{]}$, $\text{R}_1\text{--C}_n\text{H}_m\text{--CH[--O--X--O--CH=CH}_2\text{]C(=O)--}$, $\text{R}_1\text{--C}_n\text{H}_m\text{--CH[--C(=O)--O--X--O--CH=CH}_2\text{]}$, $\text{R}_1\text{--C}_n\text{H}_m\text{--CH[--C(=O)--O--X--O--CH=CH}_2\text{--C(=O)--}$, $\text{R}_1\text{--[CFC1--CF}_2\text{--]}_p\text{CH}_2\text{--}$ and $\text{HCFC1--CF}_2\text{--}$; wherein R_1 is selected from the group consisting of ~~hydrogen~~, unsubstituted and substituted fluorinated aliphatic radicals, unsubstituted and substituted fluorinated cyclic aliphatic radicals, unsubstituted and substituted fluorinated aromatic radicals, unsubstituted and substituted fluorinated araliphatic radicals and unsubstituted and substituted fluorinated heterocyclic radicals; n is an integer between 1 and 6, inclusive; $n \leq m \leq 2n$; p is an integer between 1 and 20, inclusive; and X is selected from the group consisting of unsubstituted and substituted aliphatic radicals, unsubstituted and substituted cyclic aliphatic radicals, unsubstituted and substituted aromatic radicals, unsubstituted and substituted araliphatic radicals and unsubstituted and substituted heterocyclic radicals; provided that when R_1 of $\text{R}_1\text{--C}_n\text{H}_m\text{--}$ is an otherwise unsubstituted fluorinated aliphatic radical, X is not ethylene or propylene.

37. (Original) The polymer of claim 36, wherein R contains at least 1 chlorine or bromine.

38. (Original) The polymer of claim 36, wherein R contains at least one radical selected from the group consisting of --OH , --COOCH_3 , --OCH_3 , $\text{--OCH}_2\text{CH}_3$, $\text{--NO}_2\text{SH}$, --SCH_3 , phenyl, benzyl, cyclohexyl, cyclohexyldimethyl and chlorocyclohexyl radicals.

39. (Original) The polymer of claim 9, wherein R is selected from the group consisting of $R_1-C_nH_m-$, $R_1-C_nH_m-C(=O)-$, $R_1-[CFCF_2]_pCH_2-$, $H-[CFCF_2]_pCH_2-$ and $HCFCF_2-$.

40. (Original) The polymer of claim 36, wherein R is $R_1-C_nH_m-CH[-O-X-O-CH=CH_2]-$.

41. (Original) The polymer of claim 36, wherein R is: $R_1-C_nH_m-CH[-O-X-O-CH=CH_2]-C(=O)-$ or $R_1-C_nH_m-CH[-C(=O)-O-X-O-CH=CH_2]-$.

42. (Original) The polymer of claim 36, wherein R is: $R_1-C_nH_m-CH[-C(=O)-O-X-O-CH=CH_2]-C(=O)-$.

43. (Original) The polymer of claim 39, 40, 41 or 42, wherein R_1 is a C_1-C_{12} fluorinated aliphatic radical; and X is an aliphatic, cyclic aliphatic, aromatic or araliphatic radical.

44. (Original) The polymer of claim 43, wherein X is a 1,4-cyclohexyldimethyl radical or an alkyl radical having the formula $(-CH_2-)_n$, wherein n is between 2 and 4, inclusive.

45. (Original) The polymer of claim 44, wherein R_1 is a trifluoromethyl radical.

46. (Original) The polymer of claim 36, wherein said polymer further comprises one or more second repeating units selected from the group consisting of monomers, oligomers and polymers containing at least one terminal ethylenically unsaturated group and monomers, oligomers and polymers containing at least one terminal epoxide group.

47. (Original) The polymer of claim 36, consisting essentially of said vinyl ether repeating units.

Claims 48-61 (cancelled)